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(54) BUILDER FOR DETERGENT AND DETERGENT COMPOSITION COMPRISING THE SAME

(57)Abstract:

PURPOSE: To obtain a builder for a detergent, composed of a water-soluble polymer containing a specific structural unit, excellent in chelating and dispersing ability, detergency and safety and useful as a household detergent, etc.

CONSTITUTION: The builder for a detergent is composed of a water-soluble polymer containing a structural unit of formula I (R₁ and R₂ are H or a substituent group containing carbon; at least one of R₁ and R₂ is CH₂COOX₁, CH₂CH₂COOX₂, etc.; Z₁ is H or CH₃; Z₂ is CO or CH₂; X₁ and X₂ are H, monovalent metal, bivalent metal, etc.), e.g. a copolymer of formula II [A₁ and A₂ are H, methyl, etc.; A₃ is H, methyl, etc.; X₁₀ is X₁; (n/m) is (20/80) to (98/2)]. Furthermore, the builder for the detergent and a surfactant for the detergent are contained to afford the detergent composition.

